

Application No.: 10/776,344

Docket No.: 4620-005

AMENDMENTS TO THE SPECIFICATION:

Please delete the header on page 1 at line 21 in its entirety.

Please amend the paragraph on page 4, beginning at line 25 as follows:

FIG. 1 is a block ~~diagrammatic sketch of three steps diagram~~ showing a prior method for prior art.

Please amend the paragraph on page 4, beginning at line 26 as follows:

FIG. 2 is a structure ~~diagrammatic sketch diagram~~ of one of practice examples embodiment of the invention.

Please amend the paragraph on page 4, beginning at line 28 as follows:

FIG. 3 is a structure ~~diagrammatic sketch diagram~~ of the aeration device in FIG. 2.

Please amend the paragraph on page 4, beginning at line 29 as follows:

FIG. 4 is a structure ~~diagrammatic sketch diagram~~ of another practice example embodiment of the invention.

Please amend the header on page 4, beginning at line 31 as follows:

DETAILED DESCRIPTION OF THE EMBODIMENTS OF THE INVENTION

Please amend the paragraph on page 4, beginning at line 34 as follows:

The invention primarily includes aeration device 1 and reaction device. The differences between it and prior art are that an aeration zone 2 and a settle zone 3 are provided in the ~~reactor~~ reaction device, the aeration device is located above the aeration zone, and a barrier 4 and a gap 5 are arranged between the aeration zone 2 and settle zone 3. In practice, the air intake 6 of the

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aeration device is installed in the middle of the wastewater inlet pipe 7. One end of the sleeve 11 is connected with exit of the wastewater inlet pipe; the other end is connected with one end of the ~~diffluent implement~~ current divider 8, of which other end is connected with one end of the sleeve 12. An uplift zone 9 is provided near the connection of the aeration zone and aeration device, a diversion area 10 is provided between the uplift zone and settle zone, a sludge concentration area 13 is provided between the aeration zone and the settle zone, a sludge outlet 15 is provided in the sludge concentration area, a outlet trough 14 is provided at one side of the settle zone, a gap 16 between sleeve 11 and sleeve 12, and ~~diffluent implement~~ current divider 8 equipped at the gap. The diffluent implement is approximately hollow and conical with an upward arc shape in its big end. The inlet pipe is consisted of a slanting pipe 17 and a straight pipe 18 between which there is an included angle in 15-45 degree. Sleeve 11, sleeve 12 and the diffluent implement between them are all vertical.

Abstract:

Please replace the current Abstract with the following replacement/new Abstract